



Dear participant,

Thank you for your participation in nutritionDay worldwide in 2019 and for your effort. We are now able to present you your country report of the following sample size:

Number of participated center:	13
Number of participated units:	58
Number of patients:	812
Number of patients who gave consent:	682
Number of patients completing Sheet 3a:	675
Number of patients completing Sheet 3b:	674
Number of cancer patients:	187
Number of patients completing Sheet 2_onco:	102
Number of patients completing Sheet 3_onco:	102
Number of patients with 30-day outcome assessment:	616

This report compares your country to international reference database based on data from nutritionDay 2016-2018.

The report consists of 5 parts:

Part I reflects capacity and staffing of your hospital.

Part II reflects the organisation and the structure of the units.

Part III describes the patient’s demographics, the clinical information and the outcome.

Part IV is the summary of information on patient’s nutrition, history and health status.

Part V is your oncology Report.

**Next year’s nutritionDay will take place in November 2020. Again, we would very much appreciate your participation. You will be provided with further information on a regular basis.**

Best regards from the nutritionDay-Team!

Prof. Dr. Michael Hiesmayr

Sigrid Moick, MA

## 1. Hospital capacity and staffing ("Hospital sheet")

	YOUR RESULTS	REFERENCE RESULTS
<b>1. Total number of beds in hospital</b>	886 [520-1200]	333 [194-630]
<b>2. Total number of admissions in the hospital last year</b>	27056 [24182-35256]	18005 [9101-36130]
<b>3. Total number of staff in the hospital</b>		
Total medical doctors	462 [341-599]	173 [80-399]
Medical specialists	319 [216-348]	116 [53-250]
Medical non-specialists	113 [35-158]	37 [14-84]
Nurses	798 [750-1108]	420 [183-836]
Dieticians	0 [0-0]	5 [2-9]
Nutritionists	10 [5-12]	1 [0-4]
Pharmacists	24 [20-26]	7 [4-21]
Kitchen staff	49 [20-52]	31 [15-59]
<b>Full time equivalent</b>		
Total medical doctors	307 [209-365]	148 [60-373]
Medical specialists	248 [153-260]	98 [45-251]
Medical non-specialists	72 [23-105]	36 [11-99]
Nurses	685 [322-686]	364 [180-788]
Dieticians	0 [0-0]	5 [2-8]
Nutritionists	7 [4-9]	1 [0-3]
Pharmacists	18 [13-21]	6 [3-18]
Kitchen staff	37 [15-49]	29 [15-55]
<b>4. Does the hospital have a nutrition care strategy?</b>	10 (100,0%) Yes	498 (79,4%) Yes
<b>5. Which nutrition-related standards or routine activities exist in your hospital?</b>		
Nutrition training is available	9 (75,0%) Yes	434 (66,7%) Yes
Nutrition steering committee is available	8 (66,7%) Yes	388 (59,6%) Yes
Quality indicators are recorded and reported to national or regional level	1 (8,3%) Yes	263 (40,4%) Yes
Quality indicators are used for internal benchmarking	10 (83,3%) Yes	337 (51,8%) Yes
Patient feedback about food and food service is collected using a questionnaire	9 (75,0%) Yes	475 (73,0%) Yes
None	0 (0,0%) Yes	30 (4,6%) Yes
No answer given	2 (16,7%)	24 (3,7%)
<b>6. Which codes are available /routinely used in your hospital for billing and reimbursement purposes?</b>		
<b>Codes available</b>		
Nutrition Support	8 (66,7%) Yes	313 (48,1%) Yes

Oral nutrition supplements	10 (83,3%) Yes	239 (36,7%) Yes
Parenteral nutrition	9 (75,0%) Yes	375 (57,6%) Yes
Enteral nutrition	9 (75,0%) Yes	334 (51,3%) Yes
Dietary counseling	9 (75,0%) Yes	235 (36,1%) Yes
Specific dietary interventions	9 (75,0%) Yes	181 (27,8%) Yes
Screening for malnutrition	8 (66,7%) Yes	187 (28,7%) Yes
Risk of malnutrition	6 (50,0%) Yes	160 (24,6%) Yes
Malnutrition (in general)	8 (66,7%) Yes	294 (45,2%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	6 (50,0%) Yes	280 (43,0%) Yes
No information available from billing/finance/controlling	0 (0,0%) Yes	109 (16,7%) Yes
No answer given	-	42 (6,5%)

### Codes routinely used

Nutrition Support	8 (66,7%) Yes	270 (41,5%) Yes
Oral nutrition supplements	10 (83,3%) Yes	209 (32,1%) Yes
Parenteral nutrition	9 (75,0%) Yes	343 (52,7%) Yes
Enteral nutrition	9 (75,0%) Yes	307 (47,2%) Yes
Dietary counseling	9 (75,0%) Yes	198 (30,4%) Yes
Specific dietary interventions	9 (75,0%) Yes	159 (24,4%) Yes
Screening for malnutrition	8 (66,7%) Yes	149 (22,9%) Yes
Risk of malnutrition	6 (50,0%) Yes	128 (19,7%) Yes
Malnutrition (in general)	8 (66,7%) Yes	255 (39,2%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	6 (50,0%) Yes	242 (37,2%) Yes
No information available from billing/finance/controlling	0 (0,0%) Yes	120 (18,4%) Yes
No answer given	-	53 (8,1%)

## II. Unit organisation and structures ("Sheet 1a/1b")

	YOUR RESULTS	REFERENCE RESULTS
Internal Medicine / General	7 (12,1%)	21.1%
Internal Medicine / Cardiology	2 (3,4%)	4.3%
Internal Medicine / Gastroenterology & hepatology	6 (10,3%)	7.8%
Internal Medicine / Geriatrics	1 (1,7%)	9.7%
Internal Medicine / Infectious diseases	1 (1,7%)	0.6%
Internal Medicine / Nephrology	2 (3,4%)	1.2%
Internal Medicine / Oncology (incl. radiotherapy)	9 (15,5%)	8.1%
Interdisciplinary	0 (0,0%)	3.4%
Long term care	2 (3,4%)	2.0%
Neurology	6 (10,3%)	3.6%
Surgery / General	5 (8,6%)	15.7%
Surgery/ Cardiac/Vascular/Thoracic	6 (10,3%)	1.4%
Surgery / Neurosurgery	1 (1,7%)	0.9%
Surgery / Orthopedic	2 (3,4%)	4.2%
Trauma	0 (0,0%)	0.9%
Ear Nose Throat (ENT)	2 (3,4%)	1.7%
Gynecology / Obstetrics	1 (1,7%)	1.4%
Pediatrics	0 (0,0%)	0.1%
Psychiatry	0 (0,0%)	0.9%
Others	5 (8,6%)	11.1%
<b>2. Number of registered inpatients at noon</b>	16 [13-20]	25 [19-32]
<b>3. Total bed capacity of the unit</b>	20 [15-25]	30 [24-40]
<b>4. Number of each type of staff in the unit for TODAY's morning shift</b>		
<b>Fully trained</b>		
Medical doctors	3 [2-4]	4 [2-7]
Nurses	3 [2-4]	5 [3-8]
Nursing aides	2 [1-2]	2 [1-4]
Dieticians	0 [0-1]	1 [0-1]
Nutritionists	1 [1-1]	0 [0-1]
Administrative staff	1 [0-1]	1 [0-1]
Other staff involved in patient care	0 [0-1]	1 [0-2]
<b>In training</b>		
Medical doctors	1 [0-3]	1 [0-3]
Medical students	0 [0-4]	0 [0-2]
Nurses	1 [0-2]	1 [0-3]

Nursing aides	0 [0-0]	0 [0-0]
Dieticians	0 [0-0]	0 [0-0]
Nutritionists	0 [0-0]	0 [0-0]
Other staff involved in patient care	0 [0-0]	0 [0-0]

**5. Is there a nutrition support team in your hospital available?** 56 (100,0%) Yes 1018 (78,3%) Yes

**6. Does the unit have a nutrition care strategy?** 52 (92,9%) Yes 984 (75,7%) Yes

**7. Is there a person in your unit responsible for nutrition care?** 52 (92,9%) Yes 922 (70,9%) Yes

**8. Is there a dietician, nutritionist or dietetic assistant available for your unit?** 57 (100,0%) Yes 1239 (90,8%) Yes

**9. Is specific staff responsible for providing feeding assistance to patients during meal times?** 52 (92,9%) Yes 780 (60,0%) Yes

10. How do you MAINLY screen/monitor patients for malnutrition?

**At admission**

No routine screening	-	109 (7,6%)
No fixed criteria	-	21 (1,5%)
Experience / visual assessment only	2 (3,4%) Yes	102 (7,1%)
Weighing / BMI only	1 (1,7%) Yes	201 (14,1%)
Nutritional Risk Screening (NRS) 2002	16 (27,6%) Yes	462 (32,3%)
Malnutrition Universal Screening Tool (MUST)	20 (34,5%) Yes	81 (5,7%)
Malnutrition Screening tool (MST)	1 (1,7%) Yes	115 (8,0%)
SNAQ	4 (6,9%) Yes	13 (0,91%)
Other formal tool	13 (22,4%) Yes	249 (17,4%)
I do not know	-	11 (0,77%)
Missing	1 (1,7%)	66 (4,6%)

**During hospital stay**

No routine monitoring	-	133 (9,3%)
No fixed criteria	-	118 (8,3%)
Experience / visual assessment only	5 (8,6%) Yes	235 (16,4%)
Weighing / BMI only	9 (15,5%) Yes	471 (32,9%)
Other formal tool	42 (72,4%) Yes	375 (26,2%)
I do not know	1 (1,7%) Yes	32 (2,2%)
Missing	1 (1,7%)	66 (4,6%)

**11a. Do you routinely use guidelines or standards for nutrition care?** 53 (100,0%) Yes 1043 (82,1%) Yes

**11b. If yes, which one is mainly used?**

International guidelines	17 (32,1%)	Yes	257 (24,6%)
National guidelines	6 (11,3%)	Yes	166 (15,9%)
Standards on hospital level	28 (52,8%)	Yes	378 (36,2%)
Standards on unit level	-	-	65 (6,2%)
Individual patient nutrition care plans	2 (3,8%)	Yes	155 (14,9%)
Other	-	-	11 (1,1%)
Missing	-	-	11 (1,1%)

**12. What is routinely done in your unit for given patient groups?****At risk**

Watchful waiting	13 (22,4%)	Yes	399 (27,9%)
Discuss nutrition care activities during ward rounds	29 (50,0%)	Yes	614 (42,9%)
Develop an individual nutrition care plan	51 (87,9%)	Yes	720 (50,3%)
Initiate treatment / nutrition intervention	49 (84,5%)	Yes	820 (57,3%)
Consult a nutrition expert (dietician, nutritionist, etc.)	50 (86,2%)	Yes	828 (57,9%)
Consult a medical professional	38 (65,5%)	Yes	505 (35,3%)
Calculate energy requirements	46 (79,3%)	Yes	652 (45,6%)
Calculate protein requirements	47 (81,0%)	Yes	630 (44,1%)

**Malnourished**

Watchful waiting	10 (17,2%)	Yes	280 (19,6%)
Discuss nutrition care activities during ward rounds	28 (48,3%)	Yes	675 (47,2%)
Develop an individual nutrition care plan	41 (70,7%)	Yes	792 (55,4%)
Initiate treatment / nutrition intervention	42 (72,4%)	Yes	884 (61,8%)
Consult a nutrition expert (dietician, nutritionist, etc.)	38 (65,5%)	Yes	823 (57,6%)
Consult a medical professional	40 (69,0%)	Yes	579 (40,5%)
Calculate energy requirements	43 (74,1%)	Yes	763 (53,4%)
Calculate protein requirements	43 (74,1%)	Yes	745 (52,1%)

**Every patient**

Watchful waiting	51 (87,9%)	Yes	700 (49,0%)
Discuss nutrition care activities during ward rounds	25 (43,1%)	Yes	358 (25,0%)
Develop an individual nutrition care plan	1 (1,7%)	Yes	250 (17,5%)
Initiate treatment / nutrition intervention	1 (1,7%)	Yes	197 (13,8%)
Consult a nutrition expert (dietician, nutritionist, etc.)	7 (12,1%)	Yes	264 (18,5%)
Consult a medical professional	5 (8,6%)	Yes	307 (21,5%)
Calculate energy requirements	2 (3,4%)	Yes	186 (13,0%)
Calculate protein requirements	2 (3,4%)	Yes	168 (11,7%)

**Never**

Watchful waiting	-	-	105 (7,3%)
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Discuss nutrition care activities during ward rounds	1 (1,7%) Yes	77 (5,4%)
Develop an individual nutrition care plan	1 (1,7%) Yes	62 (4,3%)
Initiate treatment / nutrition intervention	-	19 (1,3%)
Consult a nutrition expert (dietician, nutritionist, etc.)	-	20 (1,4%)
Consult a medical professional	1 (1,7%) Yes	146 (10,2%)
Calculate energy requirements	-	141 (9,9%)
Calculate protein requirements	-	165 (11,5%)

#### **I do not know**

Watchful waiting	1 (1,7%) Yes	71 (5,0%)
Discuss nutrition care activities during ward rounds	-	54 (3,8%)
Develop an individual nutrition care plan	-	41 (2,9%)
Initiate treatment / nutrition intervention	1 (1,7%) Yes	34 (2,4%)
Consult a nutrition expert (dietician, nutritionist, etc.)	2 (3,4%) Yes	33 (2,3%)
Consult a medical professional	1 (1,7%) Yes	86 (6,0%)
Calculate energy requirements	2 (3,4%) Yes	65 (4,5%)
Calculate protein requirements	2 (3,4%) Yes	71 (5,0%)

#### **13. When do you routinely weigh your patients?**

at admission	55 (94,8%) Yes	928 (64,9%)
Within 24 hours	4 (6,9%) Yes	210 (14,7%)
Within 48 hours	1 (1,7%) Yes	79 (5,5%)
Within 72 hours	1 (1,7%) Yes	39 (2,7%)
Every week	44 (75,9%) Yes	627 (43,8%)
Occasionally	2 (3,4%) Yes	158 (11,0%)
When requested	34 (58,6%) Yes	728 (50,9%)
At discharge	2 (3,4%) Yes	67 (4,7%)
Never	-	17 (1,2%)
I do not know	-	6 (0,42%)
No answer given	3 (16,7%)	69 (4,8%)

#### **14. What do you do to support adequate food intake of patients?**

Offer additional meals or in between snacks	49 (84,5%) Yes	1096 (76,6%)
Offer meal choices	49 (84,5%) Yes	1055 (73,8%)
Offer different portion sizes	41 (70,7%) Yes	934 (65,3%)
Consider food presentation	3 (5,2%) Yes	502 (35,1%)
Change food texture/consistency as needed	57 (98,3%) Yes	1175 (82,2%)
Consider patient problems with eating and drinking	57 (98,3%) Yes	1166 (81,5%)
Ensure that mealtimes are undisturbed/protected mealtime policy	38 (65,5%) Yes	324 (22,7%)
Promote positive eating environment	48 (82,8%) Yes	419 (29,3%)
Consider cultural/religious preferences	53 (91,4%) Yes	903 (63,1%)
Consider patient allergies / intolerances	55 (94,8%) Yes	1045 (73,1%)
Other	4 (6,9%) Yes	103 (7,2%)

I do not know	-	26 (1,8%)
No answer given	1 (1,7%)	67 (4,7%)

### 15. Which nutrition-related standards or routine activities exist in your unit?

Nutrition training is available	38 (65,5%)	Yes	821 (57,4%)
Reporting of nutrition related information to hospital managers	39 (67,2%)	Yes	608 (42,5%)
Quality indicators are recorded and reported to national or regional level	23 (39,7%)	Yes	448 (31,3%)
Quality indicators are used for internal benchmarking	51 (87,9%)	Yes	513 (35,9%)
Patient feedback about food and food service is collected using a questionnaire	51 (87,9%)	Yes	884 (61,8%)
None	2 (3,4%)	Yes	41 (2,9%)
I do not know	1 (1,7%)	Yes	61 (4,3%)
No answer given	2 (3,4%)		151 (10,6%)

### 16. At admission what is asked and documented?

Change in weight	55 (94,8%)	Yes	1104 (77,2%)
Eating habits/difficulties	55 (94,8%)	Yes	1041 (72,8%)
Nutrition before admission	51 (87,9%)	Yes	823 (57,6%)
None	-		18 (1,3%)
I do not know	-		33 (2,3%)
No answer given	2 (3,4%)		153 (10,7%)

### 17. On what forms is there a specific part about eating, nutrition or malnutrition?

#### a. Patient Record has a section for ...

indicating if the patient is malnourished or at risk of malnutrition	49 (84,5%)	Yes	1037 (72,5%)
nutrition treatment	43 (74,1%)	Yes	837 (58,5%)
None	-		65 (4,5%)
I do not know	-		42 (2,9%)

#### b. Discharge Letter ...

summarizes nutrition treatment received during stay	40 (69,0%)	Yes	592 (41,4%)
makes future nutrition-related recommendations	51 (87,9%)	Yes	816 (57,1%)
None	1 (1,7%)	Yes	137 (9,6%)
I do not know	2 (3,4%)	Yes	128 (9,0%)

<b>18. Do you provide brochures about malnutrition to at risk/malnourished patients?</b>	25 (50,0%)	Yes	519 (45,2%)	Yes
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### 19. Who filled in this sheet?

Head staff	5 (8,6%)	Yes	411 (28,7%)
Dietician	43 (74,1%)	Yes	717 (50,1%)
Nurse	10 (17,2%)	Yes	388 (27,1%)



Physician	3 (5,2%) Yes	175 (12,2%)
Administrative staff	5 (8,6%) Yes	13 (0,91%)
Other	2 (3,4%) Yes	71 (5,0%)
None	-	-
I do not know	-	15 (1,0%)

### III. Patient demographics, medical information & Outcome ("Sheet 2a/2b")

	YOUR RESULTS	REFERENCE RESULTS
Total	682	27195
Age	69 [55-78]	67 [53-78]
Female	325 (47,7%)	13525 (49,7%)
Weight	79,3±20,2	69,9±18,9
Height	170±10	165±10
BMI	27,2±6,4	25,5±5,9

#### 1. This hospital admission was...

planned	376 (55,1%)	9881 (36,3%)
an emergency	255 (37,4%)	14977 (55,1%)
I do not know	51 (7,5%)	2337 (8,6%)
No answer given	-	-

#### 2a. Diagnosis at admission

0100 Infectious and parasitic diseases	77 (11,3%)	2442 (9,0%)
0200 Neoplasms	178 (26,1%)	4873 (17,9%)
0300 Blood and bloodforming organs and the immune mechanism	71 (10,4%)	1724 (6,3%)
0400 Endocrine, nutritional and metabolic diseases	170 (24,9%)	3266 (12,0%)
0500 Mental health	27 (4,0%)	1218 (4,5%)
0600 Nervous system	115 (16,9%)	2493 (9,2%)
0700 Eye and adnexa	28 (4,1%)	339 (1,2%)
0800 Ear and mastoid process	8 (1,2%)	172 (0,63%)
0900 Circulatory system	288 (42,2%)	5629 (20,7%)
1000 Respiratory system	100 (14,7%)	4217 (15,5%)
1100 Digestive system	202 (29,6%)	6840 (25,2%)
1200 Skin and subcutaneous tissue	32 (4,7%)	1244 (4,6%)
1300 Musculoskeletal system and connective tissue	96 (14,1%)	4246 (15,6%)
1400 Genitourinary system	67 (9,8%)	2809 (10,3%)
1500 Pregnancy, childbirth and the puerperium	-	222 (0,82%)
1600 Conditions originating in the perinatal period	-	36 (0,13%)
1700 Congenital/chromosomal abnormalities	6 (0,88%)	52 (0,19%)
1800 Symptoms, signs, abnormal clinical/lab findings	18 (2,6%)	1319 (4,9%)
1900 Injury, poisoning	47 (6,9%)	724 (2,7%)
2000 External causes of morbidity and mortality (e.g. transport accidents, assaults)	25 (3,7%)	671 (2,5%)
2100 Factors influencing health status and contact with health services	12 (1,8%)	990 (3,6%)
No answer given	-	-

#### 3. Which conditions/comorbidities does this patient have?

Cardiac insufficiency	189 (28,5%)	5264 (21,3%)
Myocardial infarction	37 (5,6%)	1338 (5,5%)
Chronic lung disease	87 (13,1%)	3466 (14,1%)
Cerebral vascular disease	106 (16,0%)	2274 (9,3%)
Peripheral vascular disease	138 (20,9%)	2842 (11,6%)
Chronic liver disease	80 (12,1%)	1477 (6,1%)
Chronic kidney disease	95 (14,4%)	2817 (11,6%)
Diabetes	184 (27,8%)	5968 (24,2%)
Cancer	187 (27,7%)	5709 (23,2%)
Infection	105 (15,8%)	3578 (14,6%)
Dementia	25 (3,8%)	1229 (5,1%)
Major depressive disorder	45 (6,8%)	1233 (5,1%)
Other chronic mental disorder	18 (2,7%)	1229 (5,1%)
Other chronic disease	197 (29,7%)	6369 (25,9%)
None	69 (10,1%)	4869 (17,9%)

#### 4a. Previous operation during this hospital stay

Yes, planned	145 (21,3%)	5304 (19,5%)
Yes, acute	60 (8,8%)	1634 (6,0%)
No	458 (67,2%)	17917 (65,9%)
I do not know	8 (1,2%)	313 (1,2%)
Missing	11 (1,6%)	2027 (7,5%)

Days since operation	8 [3-35]	3 [1-11]
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#### 4b. Planned operation during this hospital stay

Yes, today or tomorrow	42 (6,2%)	1998 (7,3%)
Yes, later	34 (5,0%)	1411 (5,2%)
No	579 (84,9%)	19908 (73,2%)
I do not know	12 (1,8%)	1082 (4,0%)
Missing	15 (2,2%)	2796 (10,3%)

#### 5. Previous ICU admission during this hospital stay? (Yes)

120 (17,6%)	2731 (10,6%)
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#### 6. Is this patient terminally ill?

17 (2,5%)	1729 (6,4%)
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#### 7. Fluid status

Normal	589 (86,4%)	20820 (76,6%)
Overloaded	37 (5,4%)	1466 (5,4%)
Dehydrated	46 (6,7%)	1298 (4,8%)
I do not know	10 (1,5%)	3611 (13,3%)
Missing	-	-

**8. Number of different medications planned**

Oral	6 [4-9]	5 [2-8]
Other	1 [1-3]	2 [1-4]

**9. Was this patient identified as malnourished or at risk of malnutrition?**

Malnourished	57 (8,4%)	3264 (12,0%)
At risk	131 (19,2%)	4856 (17,9%)
No	490 (71,8%)	16820 (61,8%)
I do not know	4 (0,59%)	2255 (8,3%)
Missing	-	-

**10. IV Fluids**

Electrolyte solution (NaCl, Ringers lactate, etc)	194 (28,4%)	9496 (34,9%)
5% Glucose solution	30 (4,4%)	2615 (9,6%)

**11. Number of ONS drinks planned**

0 [0-2]	0 [0-0]
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**12. Nutrition intake**

Regular hospital food	495 (72,6%)	15788 (58,1%)
Fortified/enriched hospital food	82 (12,0%)	3133 (11,5%)
Protein/energy supplement (e.g. ONS drinks)	172 (25,2%)	4012 (14,8%)
Enteral nutrition	24 (3,5%)	1315 (4,8%)
Parenteral nutrition	29 (4,3%)	1286 (4,7%)
Special diet	179 (26,2%)	8834 (32,5%)
None	7 (1,0%)	1283 (4,7%)

**13a. All lines and Tubes**

Central Venous	84 (12,3%)	2360 (9,2%)
Peripheral venous access	313 (45,9%)	12501 (48,7%)
Nasogastric	4 (0,59%)	680 (2,6%)
Nasojejunal	3 (0,44%)	135 (0,53%)
Nasoduodenal	-	99 (0,39%)
Enterostoma	1 (0,15%)	126 (0,49%)
Percutaneous endoscopy/surgical gastrostomy	8 (1,2%)	234 (0,91%)
Percutaneous endoscopy/surgical jejunostomy	3 (0,44%)	95 (0,37%)
None	287 (42,1%)	12303 (45,2%)

**13b. Were there complications with nutrition related lines and tubes since admission?**

Yes, previously	3 (0,44%)	362 (1,3%)
Yes, ongoing	5 (0,73%)	227 (0,83%)
No	587 (86,1%)	21227 (78,1%)
I do not know	42 (6,2%)	2312 (8,5%)
Missing	45 (6,6%)	3067 (11,3%)

**14. Please indicate if any of the following was done for this patient since admission**

Energy requirements were determined	233 (34,2%)	9593 (37,3%)
Protein requirements were determined	193 (28,3%)	8543 (33,3%)
Food/Nutrition intake was recorded in the patient record	218 (32,0%)	11079 (43,1%)
Nutrition treatment plan was developed	172 (25,2%)	9042 (35,2%)
Nutrition expert was consulted	241 (35,3%)	9313 (36,3%)
Malnutrition status is recorded in the patient record	132 (19,4%)	8238 (32,1%)
None	-	-

**15a. Energy goal**

< 500 kcal	24 (3,5%)	1046 (3,8%)
500-999 kcal	1 (0,15%)	269 (0,99%)
1000-1499 kcal	31 (4,5%)	2400 (8,8%)
1500-1999 kcal	168 (24,6%)	8218 (30,2%)
>=2000 kcal	177 (26,0%)	2704 (9,9%)
Not determined	268 (39,3%)	8749 (32,2%)
I do not know	13 (1,9%)	2265 (8,3%)
Missing	-	1544 (5,7%)

**15b. Energy intake**

< 500 kcal	36 (5,3%)	1697 (6,2%)
500-999 kcal	21 (3,1%)	1257 (4,6%)
1000-1499 kcal	59 (8,7%)	3424 (12,6%)
1500-1999 kcal	167 (24,5%)	5999 (22,1%)
>=2000 kcal	121 (17,7%)	1448 (5,3%)
Not determined	255 (37,4%)	8533 (31,4%)
I do not know	23 (3,4%)	3276 (12,0%)
Missing	-	1561 (5,7%)

**16. Since admission, this patient's health status has...**

Improved	359 (52,6%)	12837 (47,2%)
Deteriorated	15 (2,2%)	1433 (5,3%)
Remained the same	226 (33,1%)	7057 (25,9%)
This patient has just been admitted	23 (3,4%)	1699 (6,2%)
I do not know	59 (8,7%)	2663 (9,8%)
Missing	-	1506 (5,5%)

Length of hospital stay (days)	12 [6-21]	12 [6-23]
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**Outcome Code**

1= Still in the hospital	51 (7,5%)	2601 (9,6%)
2= Transferred to another hospital	24 (3,5%)	571 (2,1%)
3= Transferred to long term care	15 (2,2%)	1107 (4,1%)

4= Rehabilitation	23 (3,4%)	1222 (4,5%)
5= Discharged home	487 (71,4%)	20149 (74,1%)
6= Death	9 (1,3%)	845 (3,1%)
7= Others	7 (1,0%)	507 (1,9%)
Missing	66 (9,7%)	193 (0,71%)

#### Readmitted since ND

1= No	455 (81,5%)	18115 (75,8%)
2= Yes, same hospital planned	65 (11,6%)	1637 (6,9%)
3= Yes, same hospital unplanned	18 (3,2%)	1465 (6,1%)
4= Yes, different hospital planned	1 (0,18%)	112 (0,47%)
5= Yes, different hospital unplanned	1 (0,18%)	112 (0,47%)
6= Unknown	8 (1,4%)	796 (3,3%)
Missing	5 (0,90%)	1597 (6,7%)

#### IV. Patient's perspective: Medical history, nutrition status & intake today ("Sheet 3a/3b")

	YOUR RESULTS	REFERENCE RESULTS
<b>1. What are your typical dietary habits?</b>		
No special dietary habits	552 (81,8%)	17526 (66,5%)
I am vegetarian	8 (1,2%)	510 (1,9%)
I adhere to a vegan diet	4 (0,59%)	193 (0,73%)
I eat gluten-free diet	7 (1,0%)	244 (0,93%)
I avoid added sugars	52 (7,7%)	3934 (14,9%)
I avoid carbohydrates	100 (14,8%)	1502 (5,7%)
I eat a low fat-diet	13 (1,9%)	2899 (11,0%)
I am lactose intolerant	10 (1,5%)	946 (3,6%)
Other special diet due to intolerances/allergies	10 (1,5%)	469 (1,8%)
Other	35 (5,2%)	1854 (7,0%)
No answer given	2 (0,30%)	1891 (7,2%)
<b>2. Where did you live before your current hospital admission?</b>		
At home	597 (88,4%)	22025 (83,6%)
In a nursing home or other live-in facility	18 (2,7%)	836 (3,2%)
I was transferred from another hospital	54 (8,0%)	1411 (5,4%)
Other	4 (0,59%)	374 (1,4%)
Missing	2 (0,30%)	1694 (6,4%)
<b>3. In general, are you able to walk?</b>		
Yes	442 (65,5%)	16014 (60,8%)
Yes, with someone's help	39 (5,8%)	2580 (9,8%)
Yes, independently using a cane, walker, or crutches	144 (21,3%)	3466 (13,2%)
No, I have a wheelchair	13 (1,9%)	1033 (3,9%)
No, I am bedridden	36 (5,3%)	1462 (5,6%)
Missing	1 (0,15%)	1785 (6,8%)
<b>4. In general, how would you say your health is?</b>		
Very good	37 (5,5%)	1854 (7,0%)
Good	222 (32,9%)	8966 (34,0%)
Fair	267 (39,6%)	9409 (35,7%)
Poor	124 (18,4%)	3513 (13,3%)
Very poor	20 (3,0%)	824 (3,1%)
Missing	5 (0,74%)	1774 (6,7%)
<b>5. Over the last 12 months prior to your current hospital admission approximately...</b>		
... how many times have you seen a doctor?	5 [3-10]	5 [2-10]
... how many times have you been admitted to the hospital (Emergency room, any ward)?	1 [0-2]	1 [0-2]

... how many nights in total have you spent in hospital?	7 [1-21]	5 [0-15]
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### 6. How many different medications do you take routinely each day (prior to hospitalisation)?

1-2	121 (17,9%)	4936 (18,7%)
3-5	194 (28,7%)	6672 (25,3%)
More than 5	251 (37,2%)	7906 (30,0%)
None	92 (13,6%)	3926 (14,9%)
I do not know	15 (2,2%)	1077 (4,1%)
Missing	2 (0,30%)	1823 (6,9%)

### 7. Do you have health insurance?

Yes, private insurance only	11 (1,6%)	4253 (16,1%)
Yes, public insurance only	614 (91,0%)	12350 (46,9%)
Yes, both	29 (4,3%)	3229 (12,3%)
None	9 (1,3%)	2938 (11,2%)
I prefer not to answer	4 (0,59%)	1314 (5,0%)
Missing	8 (1,2%)	2256 (8,6%)

### 8. What was your weight 5 years ago?

	80 [68-95]	72 [60-85]
--	------------	------------

I do not know	118 (17,5%)	6267 (23,8%)
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### 9a. Have you lost weight within the last 3 months?

Yes, intentionally	50 (7,4%)	2468 (9,4%)
Yes, unintentionally	261 (38,7%)	10065 (38,2%)
No, my weight stayed the same	222 (32,9%)	7869 (29,9%)
No, I gained weight	78 (11,6%)	2857 (10,8%)
I do not know	53 (7,9%)	2512 (9,5%)
Missing	11 (1,6%)	569 (2,2%)

### 9b. If yes, how many kg did you lose?

	7 [4-10]	6 [4-10]
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I do not know	20 (6,4%)	1997 (15,9%)
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### 10. Did you know about your hospitalisation two days before admission? (Yes)

	359 (54,8%)	9602 (40,6%)
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### 11. Please indicate if you ...

... were weighed at admission	444 (66,0%)	14112 (57,4%)
... were informed about your nutrition status	322 (48,3%)	8364 (34,3%)
... were informed about nutrition care options	285 (42,8%)	7769 (31,9%)
... received special nutrition care	250 (37,5%)	7463 (30,7%)

### 12. How well have you eaten in the week before you were admitted to the hospital?

More than normal	26 (3,9%)	1163 (4,4%)
Normal	446 (66,2%)	15832 (60,4%)



About 3/4 of normal	83 (12,3%)	2728 (10,4%)
About half of normal	82 (12,2%)	3287 (12,5%)
About a quarter to nearly nothing	34 (5,0%)	2496 (9,5%)
I do not know	1 (0,15%)	264 (1,0%)
Missing	2 (0,30%)	443 (1,7%)

### 13. In general, how satisfied are you with the food at the hospital?

Very satisfied	171 (25,4%)	6066 (23,1%)
Somewhat satisfied	287 (42,6%)	8166 (31,2%)
Neutral	126 (18,7%)	4867 (18,6%)
Dissatisfied	36 (5,3%)	2103 (8,0%)
Very dissatisfied	12 (1,8%)	726 (2,8%)
I do not know	40 (5,9%)	2021 (7,7%)
Missing	2 (0,30%)	2264 (8,6%)

### 14. Did you get any help with eating TODAY?

Yes, from family or friends	6 (0,89%)	2448 (9,3%)
Yes, from hospital staff	36 (5,3%)	1670 (6,4%)
No	619 (91,8%)	19193 (73,2%)
I do not know	5 (0,74%)	302 (1,2%)
Missing	8 (1,2%)	2600 (9,9%)

<b>15. Were you able to eat without interruption TODAY? (Yes)</b>	543 (82,0%)	17231 (74,2%)
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### 16a. Please indicate how much hospital food you ate for lunch or dinner TODAY:

About all	316 (46,9%)	12095 (46,1%)
1/2	220 (32,6%)	6486 (24,7%)
1/4	66 (9,8%)	3353 (12,8%)
Nothing	61 (9,1%)	3130 (11,9%)
Missing	11 (1,6%)	1149 (4,4%)

### 16b. The portion size of the meal I ordered TODAY was...

Standard	389 (57,7%)	15979 (61,0%)
Smaller	45 (6,7%)	2367 (9,0%)
Larger	119 (17,7%)	1119 (4,3%)
I do not know	62 (9,2%)	2429 (9,3%)
Missing	59 (8,8%)	4319 (16,5%)

### 17. If you did not eat everything of your meal, please tell us why:

I did not like the type of food offered	20 (5,8%)	2061 (15,9%)
I did not like the smell/taste of the food	53 (15,3%)	1569 (12,1%)
The food did not fit my cultural/religious preferences	-	143 (1,1%)
The food was too hot	-	59 (0,45%)

The food was too cold	3 (0,86%)	296 (2,3%)
Due to food allergy/intolerance	1 (0,29%)	96 (0,74%)
I was not hungry at that time	82 (23,6%)	2205 (17,0%)
I do not have my usual appetite	76 (21,9%)	3830 (29,5%)
I have problems chewing/swallowing	28 (8,1%)	761 (5,9%)
I normally eat less than what was served	98 (28,2%)	1427 (11,0%)
I had nausea/vomiting	14 (4,0%)	1029 (7,9%)
I was too tired	9 (2,6%)	789 (6,1%)
I cannot eat without help	-	208 (1,6%)
I was not allowed to eat	28 (8,1%)	1289 (9,9%)
I had an exam, surgery, or test and missed my meal	11 (3,2%)	766 (5,9%)
I did not get requested food	3 (0,86%)	139 (1,1%)
No answer given	16 (4,6%)	1829 (14,1%)

### 18. Enter the number of glasses/cups of the drinks you consumed in the last 24 hours

Water	4 [2-6]	3 [2-5]
Tea	5 [3-7]	1 [0-2]
Coffee	1 [1-1]	1 [1-2]
Milk	1 [1-1]	1 [0-1]
Fruit juice	1 [1-2]	1 [0-2]
Soft drinks	5 [2-7]	0 [0-1]
Nutrition drink	1 [1-2]	0 [0-1]
Other	3 [2-5]	0 [0-1]

<b>19a. Did you eat any food apart from hospital food TODAY?</b>	182 (28,2%)	6580 (28,9%)
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### 19b. If yes, what did you eat?

Sweet snacks	70 (38,5%)	1928 (29,3%)
Salty snacks	18 (9,9%)	749 (11,4%)
Homemade food	28 (15,4%)	963 (14,6%)
Fruits	84 (46,2%)	2551 (38,8%)
Dairy products	15 (8,2%)	724 (11,0%)
Food delivered/restaurant	3 (1,6%)	293 (4,5%)
Sandwich	6 (3,3%)	421 (6,4%)
Other	10 (5,5%)	1042 (15,8%)

### 20. How has your food intake changed since your hospital admission?

Increased	81 (12,0%)	3706 (14,1%)
Decreased	115 (17,1%)	7774 (29,7%)
Stayed the same	434 (64,4%)	10331 (39,4%)
I do not know	33 (4,9%)	1690 (6,4%)
Missing	11 (1,6%)	2712 (10,3%)

**21. TODAY I feel...**

Stronger than at admission	226 (33,5%)	11240 (42,9%)
Weaker than at admission	145 (21,5%)	4893 (18,7%)
Same as at admission	272 (40,4%)	7428 (28,3%)
I was admitted today	12 (1,8%)	662 (2,5%)
I do not know	16 (2,4%)	1384 (5,3%)
Missing	3 (0,45%)	606 (2,3%)

**22. Can you walk without assistance TODAY?**

Yes	453 (67,2%)	15438 (58,9%)
No, only with assistance	145 (21,5%)	6458 (24,6%)
No, I stay in bed	55 (8,2%)	3018 (11,5%)
Missing	21 (3,1%)	1299 (5,0%)

<b>23. Did anyone help you complete this questionnaire?</b>	433 (65,5%)	15731 (65,1%)
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## V. Oncology: Unit organisation and structures ("Sheet 1 onco")

	YOUR RESULTS	REFERENCE RESULTS
Number of units with cancer patients:	8	331
Computerized system in hospital:	8 units (100%) YES	312 units (94%) YES
Nutritional treatment of cancer patients is part of overall care plan	8 units (100%) YES	297 units (90%) YES
<b>Nutritional treatment is considered...</b>		
Routinely	-	195 (58,9%)
When patient asks	-	88 (26,6%)
When body weight loss > 10%	-	111 (33,5%)
During palliative phase	-	91 (27,5%)
Other	-	23 (6,95%)
Missing	-	31 (9,37%)
<b>Nutritional treatment is not part of the comprehensive approach due to</b>		
Lack of evidence	-	10 (3,02%)
No knowledge of the field	-	11 (3,32%)
No reimbursement	-	8 (2,42%)
It feeds the tumour	-	2 (0,60%)
Other	-	12 (3,63%)
<b>Nutritional therapy used for cancer patients</b>		
Nutrition according to nutrition plan	-	217 (65,6%)
Calculation of energy needs	-	238 (71,9%)
Monitoring patients intake and use of oral supplements	-	283 (85,5%)
None	-	7 (2,11%)
Other	-	16 (4,83%)
Missing	-	8 (2,42%)
<b>Nutritional therapy is not used due to</b>		
Lack of evidence	-	3 (0,91%)
Lack of experience	-	9 (2,72%)
No reimbursement	-	5 (1,51%)
Lack of dietitians	-	14 (4,23%)
Lack of other experts	-	4 (1,21%)
Other	-	7 (2,11%)
Missing	-	1 (0,30%)
<b>Assessment of parameters in cancer patients &amp; methods used:</b>		

**Anthropometry/Body composition:****Body weight**

Regularly	8 (100%)	224 (67,7%)
At chemotherapy	-	53 (16,0%)
When necessary	-	43 (13,0%)
Never	-	4 (1,21%)
Unknown	-	3 (0,91%)
Missing	-	4 (1,21%)

**Anthropometrics (circumference)**

Regularly	5 (62,5%)	38 (11,5%)
At chemotherapy	-	7 (2,11%)
When necessary	3 (37,5%)	118 (35,6%)
Never	-	143 (43,2%)
Unknown	-	10 (3,02%)
Missing	-	15 (4,53%)

**BIA**

Regularly	-	12 (3,63%)
At chemotherapy	-	4 (1,21%)
When necessary	3 (37,5%)	102 (30,8%)
Never	5 (62,5%)	187 (56,5%)
Unknown	-	12 (3,63%)
Missing	-	14 (4,23%)

**CT SCAN**

Regularly	-	13 (3,93%)
At chemotherapy	-	4 (1,21%)
When necessary	2 (25,0%)	84 (25,4%)
Never	3 (37,5%)	199 (60,1%)
Unknown	3 (37,5%)	18 (5,44%)
Missing	-	13 (3,93%)

**DEXA**

Regularly	-	6 (1,81%)
At chemotherapy	-	1 (0,30%)
When necessary	1 (12,5%)	55 (16,6%)
Never	4 (50,0%)	227 (68,6%)
Unknown	3 (37,5%)	27 (8,16%)
Missing	-	15 (4,53%)

**Other (body composition)**

Regularly	-	6 (1,81%)
At chemotherapy	-	1 (0,30%)

When necessary	-	47 (14,2%)
Never	1 (12,5%)	113 (34,1%)
Unknown	3 (37,5%)	47 (14,2%)
Missing	4 (50,0%)	117 (35,3%)

### Body function:

#### Handgrip

Regularly	1 (12,5%)	16 (4,83%)
At chemotherapy	-	9 (2,72%)
When necessary	7 (87,5%)	98 (29,6%)
Never	-	176 (53,2%)
Unknown	-	16 (4,83%)
Missing	-	16 (4,83%)

#### 6-minutes walking test

Regularly	-	12 (3,63%)
At chemotherapy	-	7 (2,11%)
When necessary	3 (37,5%)	76 (23,0%)
Never	5 (62,5%)	193 (58,3%)
Unknown	-	21 (6,34%)
Missing	-	22 (6,65%)

#### Other (body function)

Regularly	-	16 (4,83%)
At chemotherapy	-	1 (0,30%)
When necessary	3 (37,5%)	60 (18,1%)
Never	-	120 (36,3%)
Unknown	-	45 (13,6%)
Missing	5 (62,5%)	89 (26,9%)

#### Nutritional requirements, calculated

Regularly	-	107 (32,3%)
At chemotherapy	-	3 (0,91%)
When necessary	5 (62,5%)	160 (48,3%)
Never	-	15 (4,53%)
Unknown	-	5 (1,51%)
Missing	3 (37,5%)	41 (12,4%)

#### Nutritional intake:

##### Every meal

Regularly	2 (25,0%)	84 (25,4%)
At chemotherapy	-	3 (0,91%)
When necessary	4 (50,0%)	143 (43,2%)
Never	-	39 (11,8%)

Unknown	-	17 (5,14%)
Missing	2 (25,0%)	45 (13,6%)
<b>1 meal per day</b>		
Regularly	1 (12,5%)	26 (7,85%)
At chemotherapy	-	3 (0,91%)
When necessary	1 (12,5%)	112 (33,8%)
Never	1 (12,5%)	67 (20,2%)
Unknown	-	21 (6,34%)
Missing	5 (62,5%)	102 (30,8%)
<b>2 meals per day</b>		
Regularly	1 (12,5%)	26 (7,85%)
At chemotherapy	-	1 (0,30%)
When necessary	1 (12,5%)	109 (32,9%)
Never	1 (12,5%)	69 (20,8%)
Unknown	-	20 (6,04%)
Missing	5 (62,5%)	106 (32,0%)
<b>24h recall</b>		
Regularly	5 (62,5%)	67 (20,2%)
At chemotherapy	-	8 (2,42%)
When necessary	2 (25,0%)	130 (39,3%)
Never	-	43 (13,0%)
Unknown	-	16 (4,83%)
Missing	1 (12,5%)	67 (20,2%)
<b>Other (nutritional intake)</b>		
Regularly	-	12 (3,63%)
At chemotherapy	-	1 (0,30%)
When necessary	-	61 (18,4%)
Never	-	55 (16,6%)
Unknown	-	43 (13,0%)
Missing	8 (100%)	159 (48,0%)
<b>Questionnaire completed by</b>		
Dietitian	-	142 (42,9%)
Nurse	-	83 (25,1%)
Physician	1 (12,5%)	75 (22,7%)
Nutritional scientist	7 (87,5%)	22 (6,65%)
Other	-	2 (0,60%)
Missing	-	7 (2,11%)

## V. Oncology: Cancer patients - Diagnosis & therapy ("Sheet 2 onco")

	YOUR RESULTS	REFERENCE RESULTS
Number of patients completing Sheet 2_onco:	102	3278
<b>Demographic data:</b>		
Age (years)	67 [27-86]	64 [18-102]
Female gender	55 (53,9%)	1437 (43,8%)
Weight (kg)	76,1 ± 17,2	65,7 ± 16,5
Height (cm)	168,7 ± 9,3	165,3 ± 9,9
BMI (kg/m <sup>2</sup> )	26,8 ± 5,5	23,9 ± 4,9
<b>Outpatient (o)/Ward (w)</b>		
Outpatient(o)	-	166 (5,06%)
Ward (w)	102 (100%)	3101 (94,6%)
Missing	-	11 (0,34%)
<b>Goal of Therapy</b>		
Curative	66 (64,7%)	1959 (59,8%)
Palliative	34 (33,3%)	1091 (33,3%)
Terminal	2 (1,96%)	153 (4,67%)
Missing	-	75 (2,29%)
<b>Reason for admission</b>		
Clinical diagnostics	-	408 (12,4%)
Therapy	-	1529 (46,6%)
Surgery related	-	631 (19,2%)
Treatment complications	-	459 (14,0%)
Poor health status	-	430 (13,1%)
Independent care difficult	-	29 (0,88%)
Missing	-	-
<b>Present cancer diagnosis</b>		
Breast	-	236 (7,20%)
Colon, rectum	-	504 (15,4%)
Prostate	-	102 (3,11%)
Lung	-	328 (10,0%)
Skin	-	30 (0,92%)
Kidney/bladder	-	128 (3,90%)
Gastric/oesophageal	-	396 (12,1%)
Pancreas	-	184 (5,61%)
Lymphoma	-	284 (8,66%)
Ears nose throat (ENT)	-	140 (4,27%)
Leukaemia	-	243 (7,41%)



Genital tract	-	109 (3,33%)
Liver	-	260 (7,93%)
Sarcoma	-	46 (1,40%)
Brain	-	52 (1,59%)
Testicular	-	14 (0,43%)
Other	-	338 (10,3%)
Missing	-	45 (1,37%)

### Time since diagnosis

0-2 months	18 (17,6%)	1019 (31,1%)
3-5 months	26 (25,5%)	544 (16,6%)
6-12 months	21 (20,6%)	551 (16,8%)
1-2 years	5 (4,90%)	436 (13,3%)
2-4 years	6 (5,88%)	308 (9,40%)
> 4 years	15 (14,7%)	319 (9,73%)
Missing	7 (6,86%)	66 (2,01%)

### Cancer staging

0=Carcinoma in situ	-	152 (4,64%)
I=Localized	9 (8,82%)	654 (20,0%)
II=Early locally advanced	10 (9,80%)	584 (17,8%)
III=Late locally advanced	8 (7,84%)	523 (16,0%)
IV=Metastasised	45 (44,1%)	993 (30,3%)
Missing	30 (29,4%)	372 (11,3%)

### Time since first therapy start

No therapy	-	319 (9,73%)
Tumour staging/diagnosis	-	314 (9,58%)
0-2 months	-	932 (28,4%)
3-5 months	-	427 (13,0%)
6-12 months	-	498 (15,2%)
1-2 years	-	342 (10,4%)
2-4 years	-	243 (7,41%)
> 4 years	-	284 (8,66%)
Missing	-	57 (1,74%)

### Therapy situation

Diagnosis	-	345 (10,5%)
Chemotherapy 1st line	-	694 (21,2%)
Chemotherapy > 1st line	-	584 (17,8%)
Radiotherapy	-	262 (7,99%)
Target therapy	-	86 (2,62%)
Hormone therapy	-	38 (1,16%)
Palliative	-	321 (9,79%)

Surgery	-	846 (25,8%)
Cancer related complications	-	299 (9,12%)
Therapy related complications	-	138 (4,21%)
Missing	-	55 (1,68%)

### Infections

None	82 (80,4%)	2414 (73,6%)
Local	3 (2,94%)	506 (15,4%)
General	5 (4,90%)	274 (8,36%)
Missing	12 (11,8%)	84 (2,56%)

### Nutrition Treatment

No special diet	-	1329 (40,5%)
Individualized diet plan	-	974 (29,7%)
Energy rich/protein rich ONS	-	624 (19,0%)
Enteral nutrition (via NGT/PEG)	-	184 (5,61%)
Parenteral nutrition	-	312 (9,52%)
ONS enriched with special nutrients	-	100 (3,05%)
Special nutrients (EPA, branched chained amino acids, glutamine, arginine, carnitine)	-	49 (1,49%)
Personal preferences	-	342 (10,4%)
Counselling	-	234 (7,14%)
Other	-	132 (4,03%)
Missing	-	-

## V. Oncology: Cancer patients - Appetite, food intake & quality of life ("Sheet 3 onco")

	YOUR RESULTS	REFERENCE RESULTS
Number of patients completing Sheet 3_onco:	102	3248
Body weight prior to becoming ill	80 [53-136]	70 [20-180]
Actual body weight	75 [42-124]	64 [11-175]
<b>Change in weight was</b>		
Intentional	8 (7,84%)	130 (3,97%)
Unintentional	60 (58,8%)	2109 (64,3%)
Weight is stable	23 (22,5%)	524 (16,0%)
Missing	8 (7,84%)	99 (3,02%)
<b>During the last week</b>		
<b>Patients who have had pain:</b>		
Not at all	50 (49,0%)	1075 (32,8%)
A little	32 (31,4%)	966 (29,5%)
Quite a bit	13 (12,7%)	585 (17,8%)
Very much	7 (6,86%)	379 (11,6%)
Missing	-	242 (7,38%)
<b>Patients who needed a rest:</b>		
Not at all	26 (25,5%)	676 (20,6%)
A little	35 (34,3%)	995 (30,4%)
Quite a bit	29 (28,4%)	774 (23,6%)
Very much	12 (11,8%)	535 (16,3%)
Missing	-	256 (7,81%)
<b>Patients who felt weak:</b>		
Not at all	29 (28,4%)	688 (21,0%)
A little	41 (40,2%)	995 (30,4%)
Quite a bit	22 (21,6%)	783 (23,9%)
Very much	10 (9,80%)	535 (16,3%)
Missing	-	244 (7,44%)
<b>Patients who felt depressed:</b>		
Not at all	56 (54,9%)	1154 (35,2%)
A little	29 (28,4%)	1026 (31,3%)
Quite a bit	13 (12,7%)	499 (15,2%)
Very much	3 (2,94%)	282 (8,60%)
Missing	-	255 (7,78%)

**Patients who were tired:**

Not at all	53 (52,0%)	700 (21,4%)
A little	19 (18,6%)	1048 (32,0%)
Quite a bit	19 (18,6%)	755 (23,0%)
Very much	10 (9,80%)	494 (15,1%)
Missing	-	243 (7,41%)

**Patients whose pain interfered with their daily activities:**

Not at all	61 (59,8%)	1203 (36,7%)
A little	25 (24,5%)	789 (24,1%)
Quite a bit	8 (7,84%)	548 (16,7%)
Very much	6 (5,88%)	421 (12,8%)
Missing	1 (0,98%)	267 (8,15%)

**Patients who lacked appetite:**

Not at all	62 (60,8%)	1102 (33,6%)
A little	23 (22,5%)	840 (25,6%)
Quite a bit	6 (5,88%)	567 (17,3%)
Very much	10 (9,80%)	465 (14,2%)
Missing	-	261 (7,96%)

**Just now****Patients who have pain:**

Not at all	54 (52,9%)	1281 (39,1%)
A little	29 (28,4%)	1090 (33,3%)
Quite a bit	11 (10,8%)	444 (13,5%)
Very much	7 (6,86%)	167 (5,09%)
Missing	-	258 (7,87%)

**Patients who need a rest:**

Not at all	25 (24,5%)	671 (20,5%)
A little	39 (38,2%)	1142 (34,8%)
Quite a bit	25 (24,5%)	759 (23,2%)
Very much	12 (11,8%)	393 (12,0%)
Missing	-	266 (8,11%)

**Patients who feel weak:**

Not at all	42 (41,2%)	760 (23,2%)
A little	37 (36,3%)	1079 (32,9%)
Quite a bit	15 (14,7%)	740 (22,6%)
Very much	7 (6,86%)	386 (11,8%)
Missing	-	265 (8,08%)

**Patients who are depressed:**

Not at all	53 (52,0%)	1318 (40,2%)
A little	39 (38,2%)	1001 (30,5%)
Quite a bit	8 (7,84%)	431 (13,1%)
Very much	2 (1,96%)	199 (6,07%)
Missing	-	270 (8,24%)

#### Patients who are tired:

Not at all	35 (34,3%)	799 (24,4%)
A little	36 (35,3%)	1157 (35,3%)
Quite a bit	25 (24,5%)	651 (19,9%)
Very much	4 (3,92%)	352 (10,7%)
Missing	-	270 (8,24%)

#### Patients whose pain interferes with their daily activities:

Not at all	60 (58,8%)	1232 (37,6%)
A little	27 (26,5%)	858 (26,2%)
Quite a bit	7 (6,86%)	531 (16,2%)
Very much	7 (6,86%)	318 (9,70%)
Missing	-	288 (8,79%)

#### Patients who lack appetite:

Not at all	62 (60,8%)	1159 (35,4%)
A little	26 (25,5%)	880 (26,8%)
Quite a bit	9 (8,82%)	550 (16,8%)
Very much	4 (3,92%)	355 (10,8%)
Missing	-	285 (8,69%)

#### Reasons for change in appetite/food intake

Nausea/Vomiting	-	612 (18,7%)
Inflammation in mouth	-	160 (4,88%)
Pain	-	454 (13,8%)
Constipation	-	258 (7,87%)
Diarrhea	-	188 (5,74%)
Change in taste/smell	-	447 (13,6%)
Early satiation/Loss of appetite	-	771 (23,5%)
Other	-	544 (16,6%)
Missing	39 (38,2%)	121 (3,69%)

#### Maximum activity performed by patients

Able to do sports	2 (1,96%)	135 (4,12%)
Fully active	9 (8,82%)	462 (14,1%)
Able to carry out light activities	42 (41,2%)	675 (20,6%)
Able to carry out self care	36 (35,3%)	777 (23,7%)
Able to carry out limited self care	12 (11,8%)	487 (14,9%)

Confined to bed or chair	1 (0,98%)	463 (14,1%)
Missing	-	254 (7,75%)
<b>Patient takes additional (without prescription)</b>		
Nothing	-	2113 (64,5%)
Herbal tea	-	278 (8,48%)
Nutritional supplements	-	292 (8,91%)
Multivitamin	-	131 (4,00%)
Other medication	-	124 (3,78%)
Other	-	146 (4,45%)
Missing	-	311 (9,49%)
<b>Additional activities performed</b>		
Nothing	-	2374 (72,4%)
Psychotherapy	-	69 (2,10%)
Yoga	-	35 (1,07%)
Meditation	-	121 (3,69%)
Progressive muscle relaxation	-	46 (1,40%)
Qigong	-	10 (0,31%)
Other	-	316 (9,64%)
Missing	-	354 (10,8%)
Patients having difficulties in complying with treatment	68 (66,7%)	701 (21,4%)
Patients needing help to complete questionnaire	44 (43,1%)	1819 (55,5%)
Patients believing that including nutrition in their therapeutic approach could provide relevant benefit to them:	86 (84,3%)	2090 (63,8%)